



Fig. 1

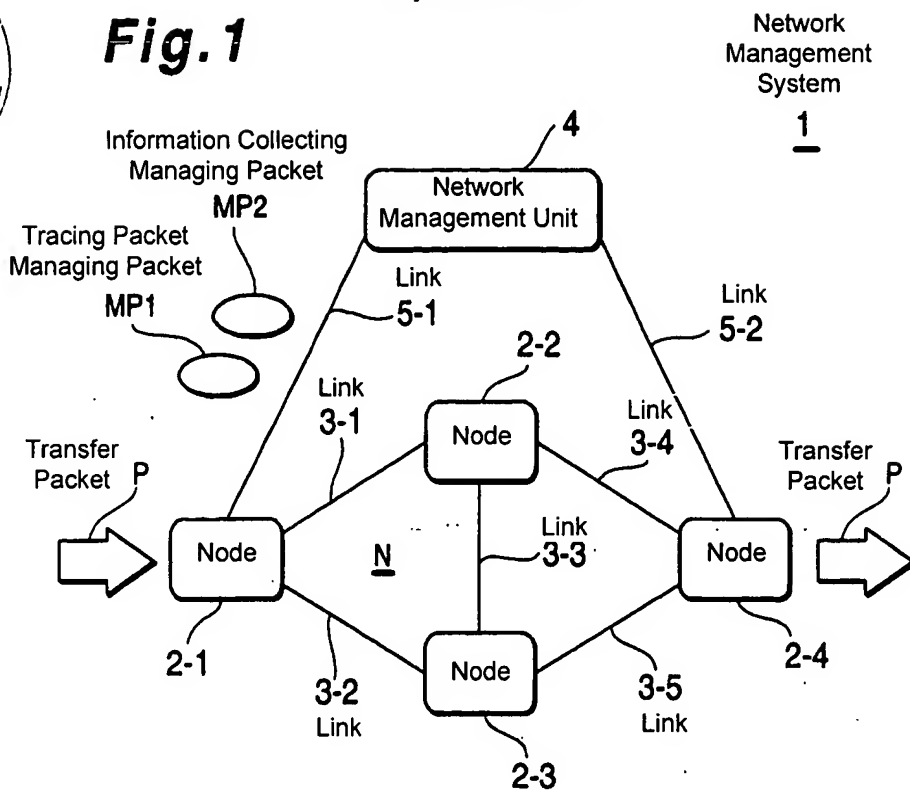


Fig. 2

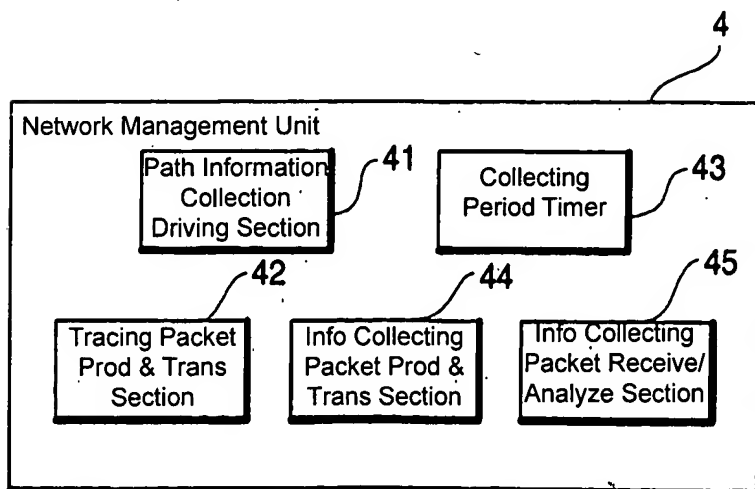


Fig.3

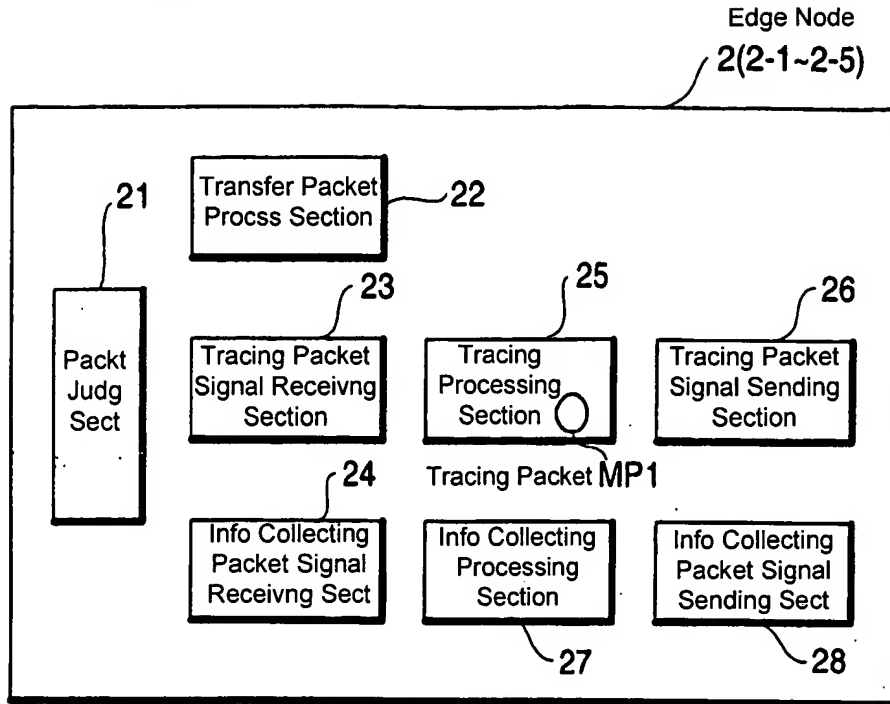


Fig.4

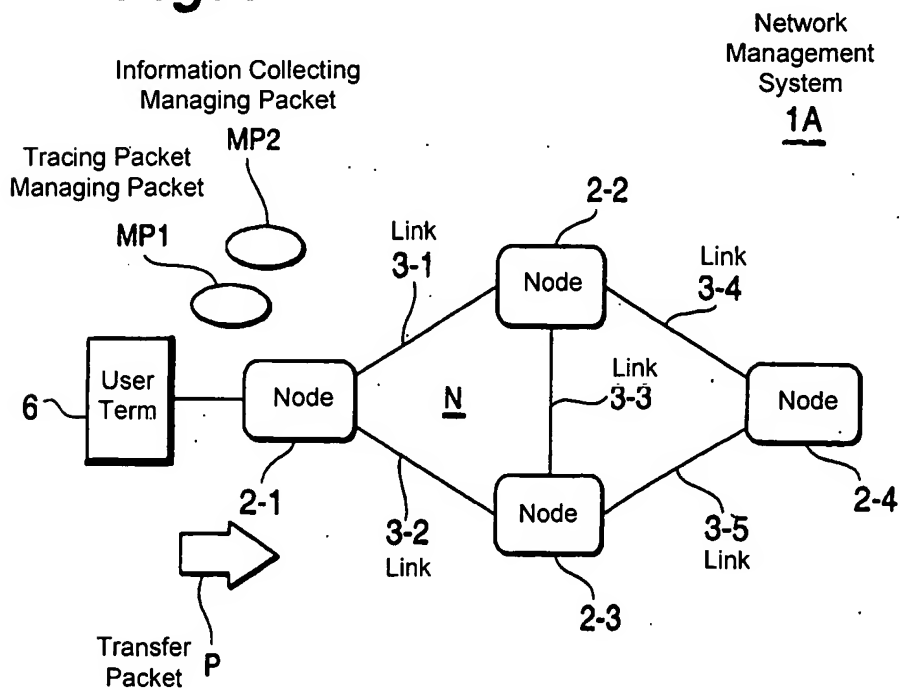


Fig.5

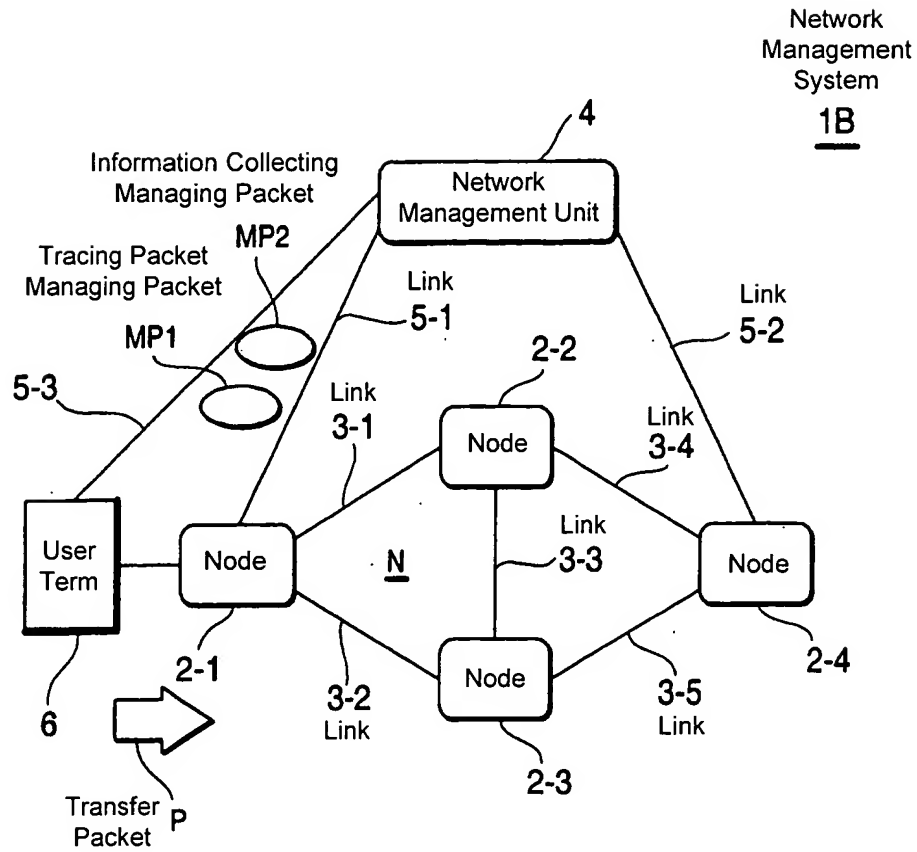
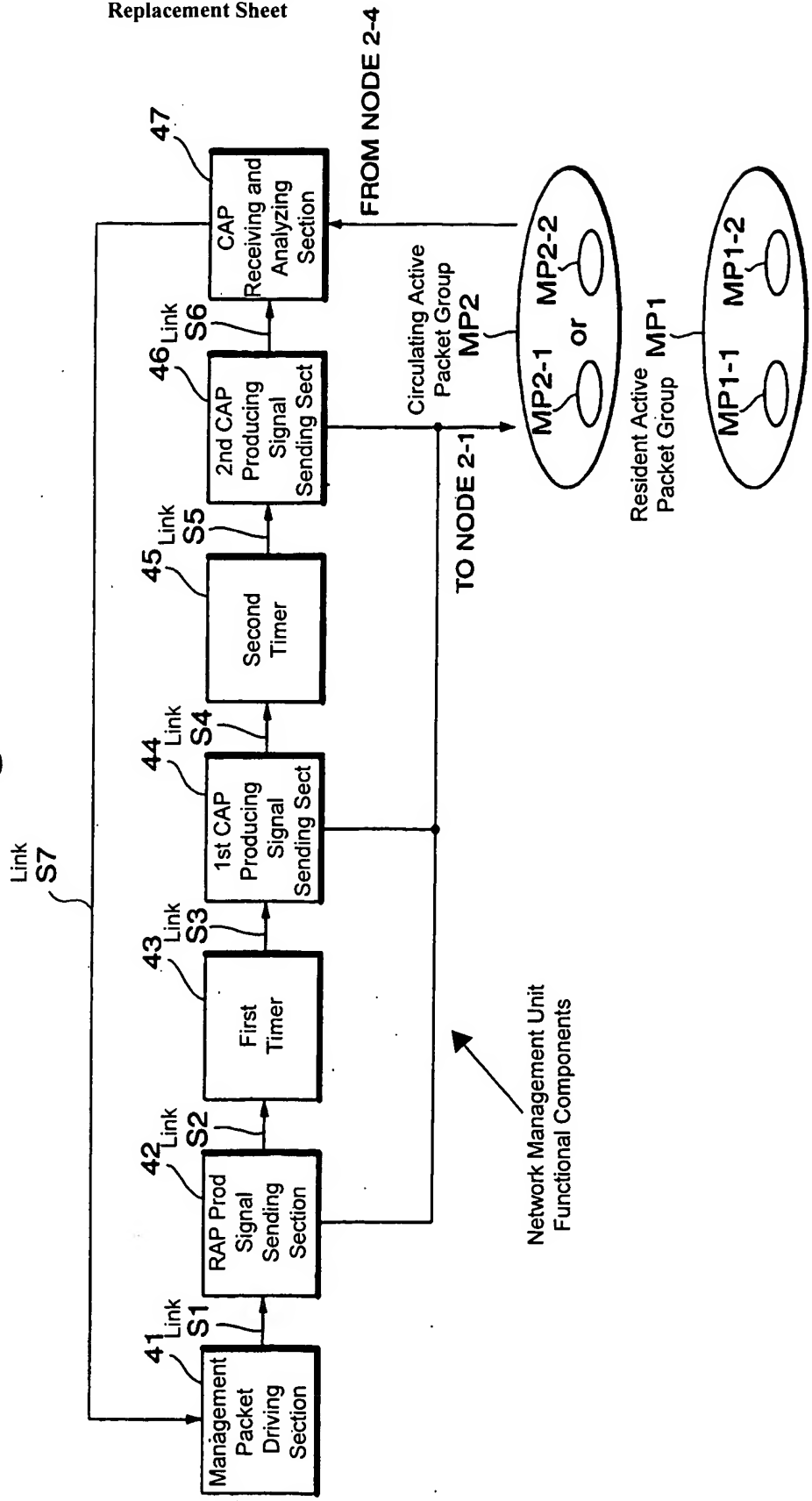


Fig. 6



Key

- MP1-1: Tracing Processing Packet
- MP1-2: QoS Control Packet
- MP2-1: Driving Packet
- MP2-2: Information Collecting Packet

Fig. 7

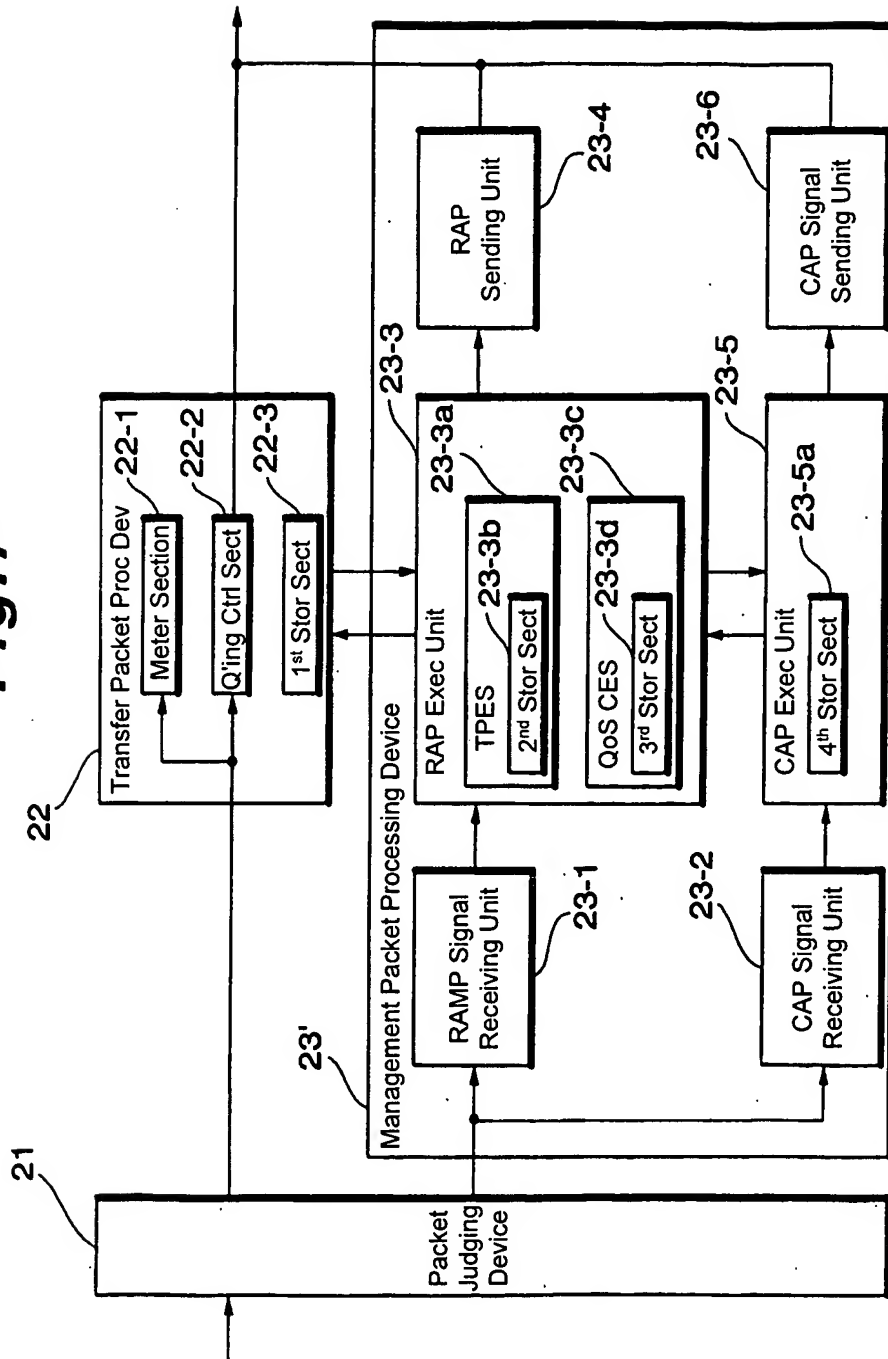


Fig.8

| Class | | ~74 | ~75 | ~76 | ~77 |
|--------------------------------------|---|--|---|---|---|
| Degree of importance | | Class 4 | Class 3 | Class 2 | Class 1 |
| Degree of importance (High) ~71 | Sender IP address:AAA (Low delay,high throughput) | Precedence: Emergency(100) | Precedence: Urgency(Flash Override, 100) Urgency(Flash,011) | Precedence: Immediacy(010) Priority(001) | Precedence: Ordinary(000) |
| | | Transmission of four packets per one time transmission. Order of transmitting 1, 31, 51 ~78 | Transmission of three packets per one time transmission. Order of transmitting 2,5, 32,35, 52,55 ~79 | Transmission of two packets per one time transmission. Order of transmitting 3,6,8, 33,36,38, 53,56,58 ~80 | Transmission of one packet per one time transmission. Order of transmitting 4,7,9,10, 34,37,39,40, 54,57,59,60 ~81 |
| Degree of importance (Middle) ~72 | Sender IP address:CCC (High throughput) | Transmission of four packets per one time transmission. Order of transmitting 11, 41 ~82 | Transmission of three packets per one time transmission. Order of transmitting 12,15, 42,45 ~83 | Transmission of two packets per one time transmission. Order of transmitting 13,16,18, 43,46,48 ~84 | Transmission of one packet per one time transmission. Order of transmitting 14,17,19,20, 44,47,49,50 ~85 |
| | | Transmission of four packets per one time transmission. Order of transmitting 21 ~86 | Transmission of three packets per one time transmission. Order of transmitting 22,25 ~87 | Transmission of two packets per one time transmission. Order of transmitting 23,26,28 ~88 | Transmission of one packet per one time transmission. Order of transmitting 24,27,29,30 ~89 |
| Degree of importance (Low) ~73 | Sender IP address:EEE (Ordinary) | | | | |
| | | | | | |

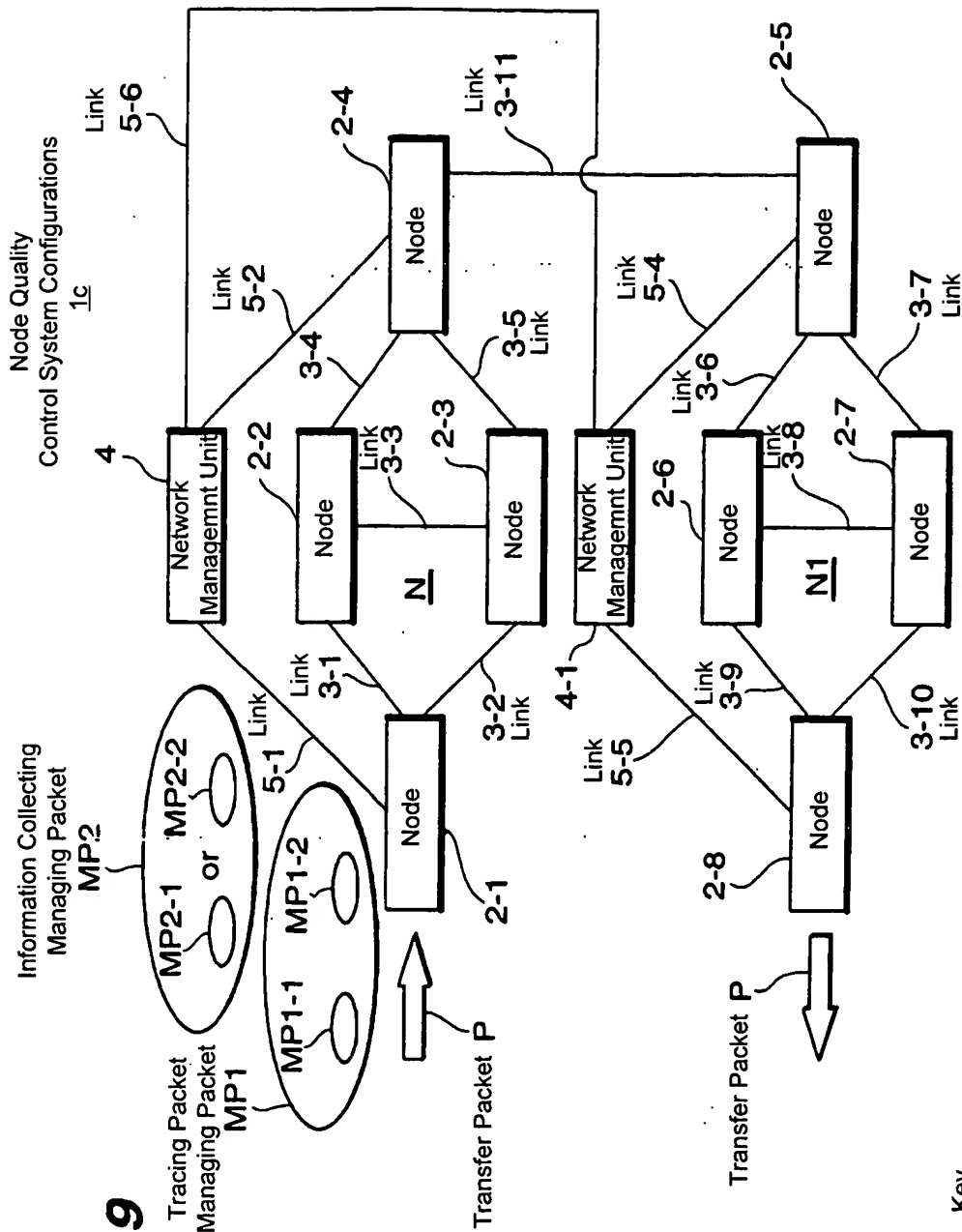


Fig. 10

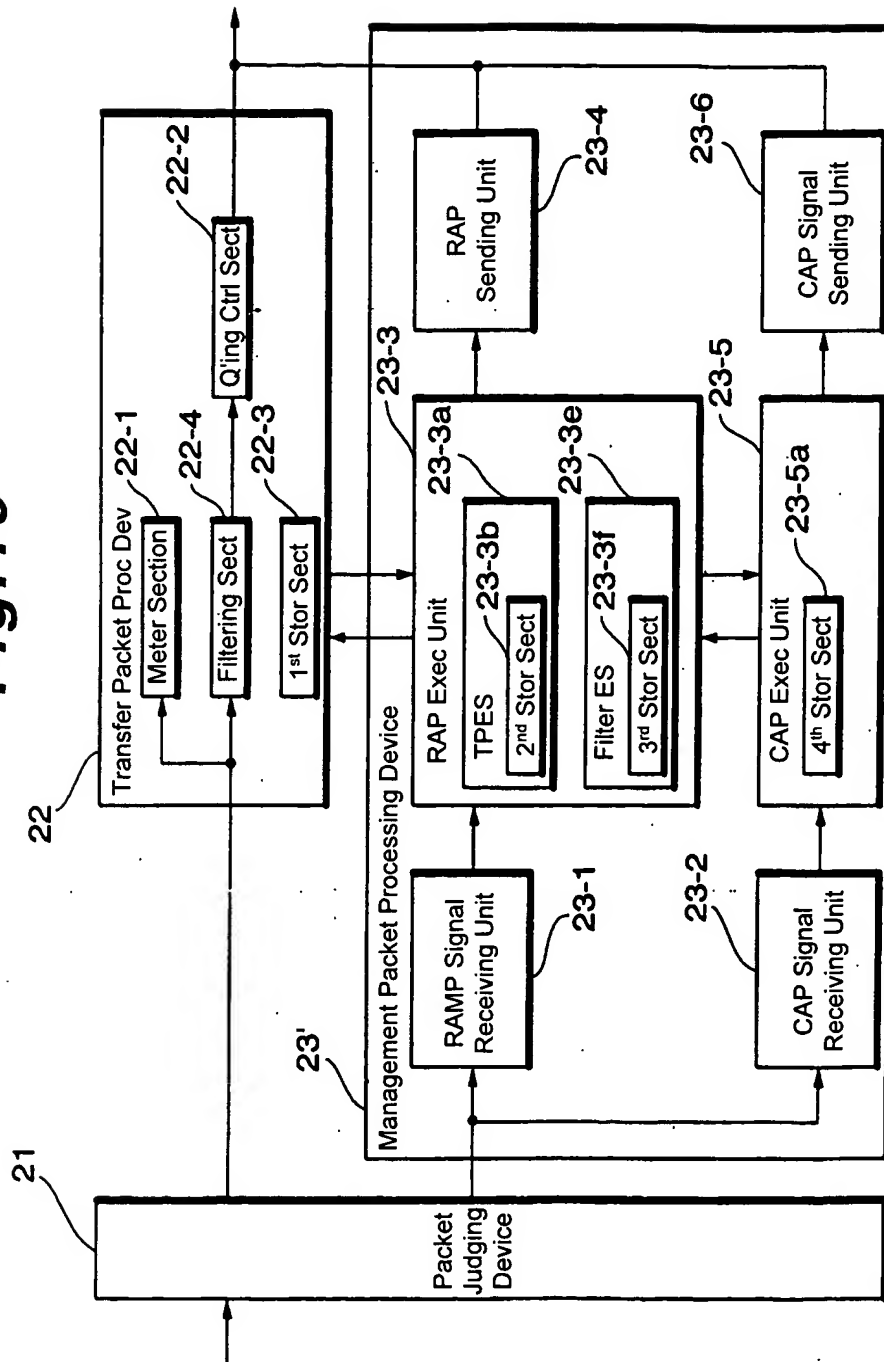


Fig. 11

[Table 7']

| Value for check item | Value of check item exceeds maximum threshold value | Value of check item equal to maximum threshold value | Value of check item is minimum threshold value or more and maximum threshold or less | Value of check is minimum threshold value or less |
|--|---|---|---|---|
| Check item | ~72 | ~73 | ~74 | ~75 |
| Average use frequency of queuing for transfer packet in node | Transfer packet is abandoned | Transfer packets are abandoned at designated frequency | Transfer packets are abandoned depending on values of check item | Transfer packets are not abandoned |
| ~71 | ~71a | ~71b | ~71c | ~71d |
| First option (Above check item + precedence of transfer packet) | All transfer packets are abandoned starting from packet having lower precedence | Transfer packets are abandoned starting from packet having lower precedence at designated frequency | Transfer packets are abandoned starting with packet having lower precedence, depending on average frequency of queuing as value of check item | Not transfer packets are abandoned |
| ~76 | ~76a | ~76b | ~76c | ~76d |
| Second option (Average frequency of queuing control section of predetermined transfer packet) | All predetermined transfer packets P are abandoned | Predetermined transfer packet P is abandoned by designated frequency | Predetermined transfer packet is abandoned depending on value of check item | No predetermined transfer packet P is abandoned |
| ~77 | ~77a | ~77b | ~77c | ~77d |
| Third option (Contents provided in second option + precedence of predetermined transfer packets P) | All packets P having lower precedence are abandoned | Predetermined transfer packet is abandoned starting with packet having lower precedence with designated frequency | Predetermined transfer packet P is abandoned starting with packet having lower precedence and depending on value of check item | No predetermined transfer packet P is abandoned |
| ~78 | ~78a | ~78b | ~78c | ~78d |

Fig. 12

[Table 8]

8

| Value for check item | Value of check item exceeds maximum threshold value | Value of check item equal to maximum threshold value | Value of check item is minimum threshold value or more and maximum threshold or less | Value of check is minimum threshold value or less |
|--|---|---|---|---|
| Check item | ~82 | ~83 | ~84 | ~85 |
| Average transmission rate in traffics of transfer packet in node | Transfer packet is abandoned | Transfer packets are abandoned at designated frequency | Transfer packets are abandoned depending on values of check item | Transfer packets are not abandoned |
| ~81 | ~81a | ~81b | ~81c | ~81d |
| Fourth option (Above check item + precedence of transfer packet) | All transfer packets are abandoned starting from packet having lower precedence | Transfer packets are abandoned starting from packet having lower precedence at designated frequency | Transfer packets are abandoned starting with packet having lower precedence, depending on average frequency of queuing as value of check item | Not transfer packets are abandoned |
| ~86 | ~86a | ~86b | ~86c | ~86d |
| Fifth option (Average transmission rate in traffics of predetermined packet in node) | All predetermined transfer packets P are abandoned | Predetermined transfer packet P is abandoned by designated frequency | Predetermined transfer packet is abandoned depending on value of check item | No predetermined transfer packet P is abandoned |
| ~87 | ~87a | ~87b | ~87c | ~87d |
| Sixth option (Fifth option + precedence of predetermined transfer packet P) | All packets P having lower precedence are abandoned | Predetermined transfer packet is abandoned starting with packet having lower precedence with designated frequency | Predetermined transfer packet P is abandoned starting with packet having lower precedence and depending on value of check item | No predetermined transfer packet P is abandoned |
| ~88 | ~88a | ~88b | ~88c | ~88d |

Fig. 13

Key

MP1-1: Tracing Processing Packet
MP1-2: SLA Management Packet
MP2-1: Information Collecting Packet
MP2-2: Congestion Avoiding Packet

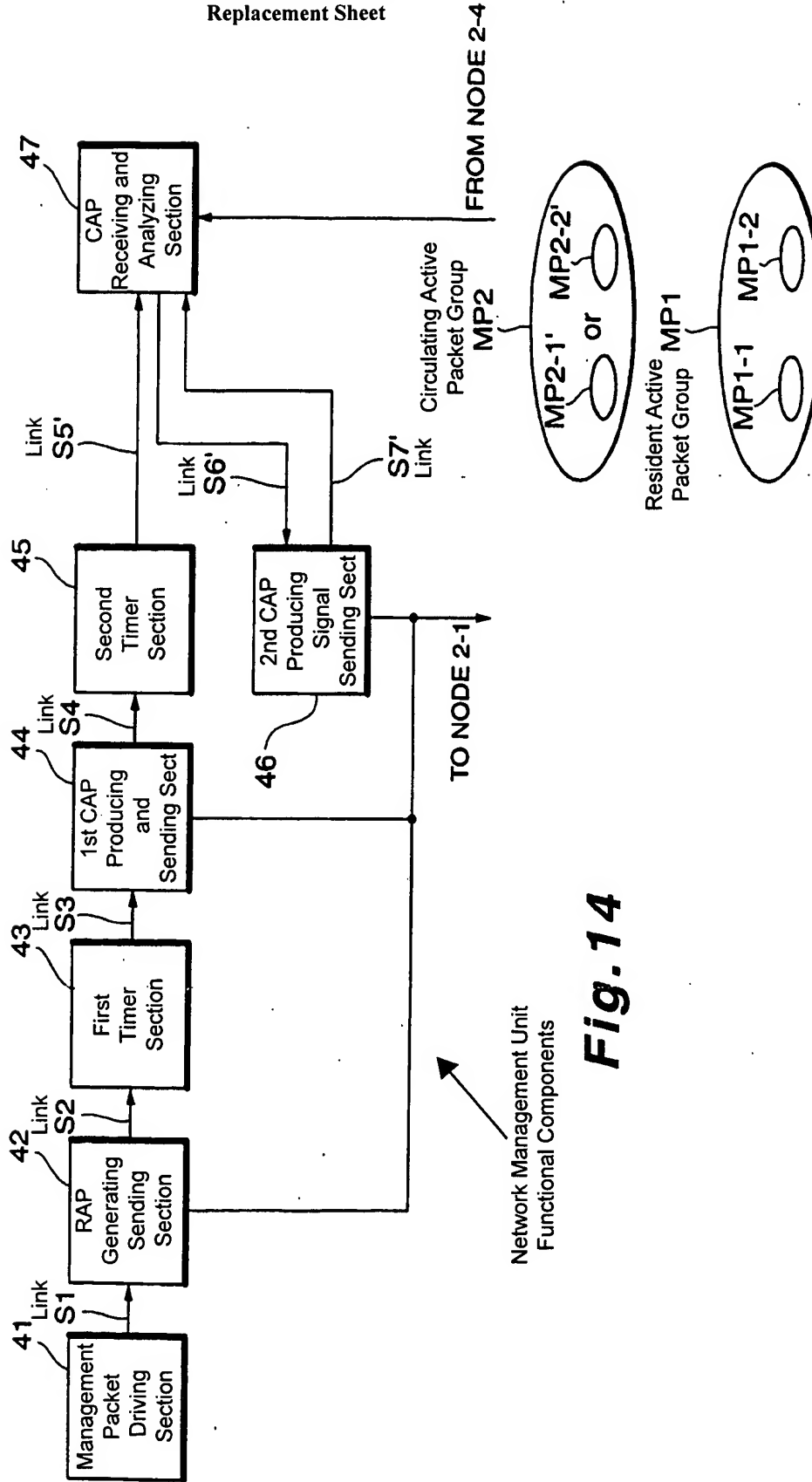
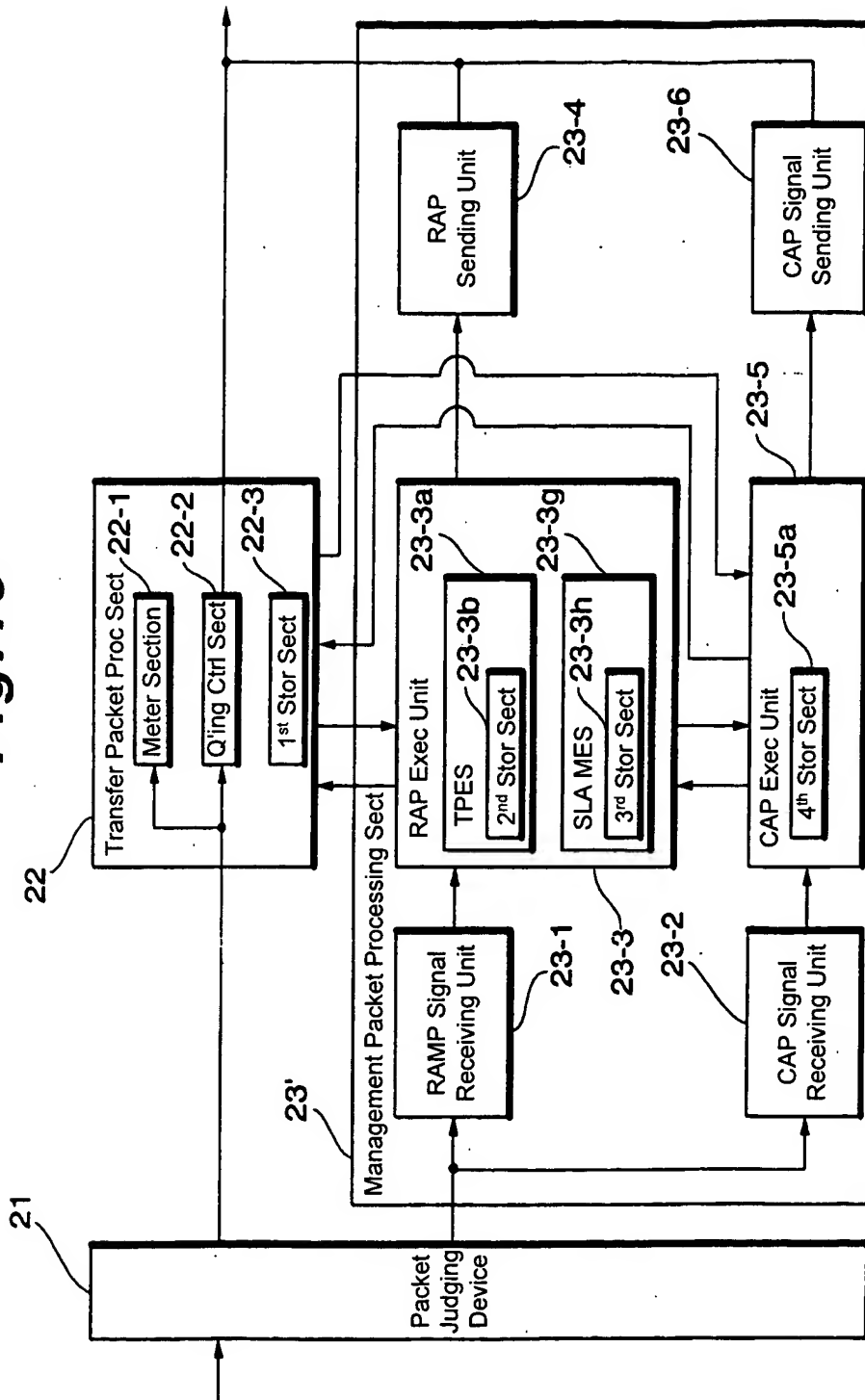


Fig. 14

Key

- MP1-1: Tracing Processing Packet
- MP1-2: Filtering Packet
- MP2-1: Tracing Processing Packet
- MP2-2: Information Collecting Packet

Fig. 15





MP1-1: Tracing Processing Packet
MP1-2: SLA Management Packet
MP2-1': Information Collecting Packet
MP2-2': Congestion Avoiding Packet



MP1-1: Tracing Processing Packet
MP1-2: SLA Management Packet
MP2-1': Information Collecting Packet
MP2-2': Congestion Avoiding Packet